

Lista de lucrari

Cărți/capitole

1. **Daniel-Eugeniu Crunțeanu**, Sorin Berbente, Corneliu Berbente, “*Methodes de calcul numerique – Theorie et Application*”, **Editura Politehnica Press**, Bucuresti, Romania, decembrie 2014, **157 pagini**, **ISBN: 978-606-515-573-2**, **CIP 2014-23021**
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20CIP%20-%20decembrie%202014.pdf>
2. Virgil Stanciu, **Daniel-Eugeniu Crunțeanu**, “*Designul compresoarelor aerodinamice subsonice*”. **Editura Printech**, Bucuresti, Romania, martie 2009, **451 pagini**, **ISBN: 978-606-521-263-3**, **CIP 2009-4949**
<http://www.bibnat.ro/dyn-doc/Bibliografie%20CIP%20martie%202009.pdf>
3. **Daniel-Eugeniu Crunțeanu**, Corneliu Berbente, Sorin Berbente, “*CALCULUS - Theory and Applications*”. **Editura Politehnica Press**, Bucuresti, Romania, noiembrie 2020, **196 pagini**, **ISBN: 978-606-515-933-4**, **CIP 2020-23829**
http://www.bibnat.ro/dyn-doc/publicatii/CIP/CIP_noiembrie_2020_site.pdf
4. **Daniel-Eugeniu Crunțeanu**, Ioan Manole, „*Designul sistemelor de propulsie aerospațială - soluții constructive pentru turbomotoare*”, **Editura Politehnica Press**, Bucuresti, Romania, 2021, **451 pag.**, **ISBN: 978-606-515-945-7**
https://www.bibnat.ro/dyn-doc/publicatii/CIP/CIP_ianuarie_2021_site.pdf

Manuale didactice/monografii

1. **Daniel-Eugeniu Crunțeanu**, Ioan Manole, “*Calculul motoarelor aeroreactoare*”, **Editura Politehnica Press**, Bucuresti, Romania, octombrie 2016, **453 pagini**, **ISBN: 978-606-515-714-9**, **CIP 2016-20151**
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20-%20CIP%20octombrie%202016.pdf>
2. Corneliu Berbente, **Daniel-Eugeniu Crunțeanu**, Sorin Berbente, “*Geometry for aerospace engineering*”, **Editura Politehnica Press**, Bucuresti, Romania, decembrie 2019, **111 pagini**, **ISBN 978-606-515-896-2**, **CIP 2020-03055**
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/CIP%20ianuarie%202020.pdf>

Îndrumare de laborator/aplicații

1. **Daniel-Eugeniu Crunțeanu**, Ioan Manole, “*Calculul motoarelor aeroreactoare: îndrumar de proiect*”, **Editura Politehnica Press**, Bucuresti, Romania, octombrie 2016, **189 pagini**, **ISBN: 978-606-515-715-6**, **CIP 2016-20152**
<http://www.bibnat.ro/dyn-doc/publicatii/CIP/Bibliografia%20cartilor%20in%20curs%20de%20aparitie%20-%20CIP%20octombrie%202016.pdf>
2. **Daniel-Eugeniu Crunțeanu**, Ioan Manole, “*Calculul motoarelor aeroreactoare: îndrumar de laborator*”, **Editura Politehnica Press**, Bucuresti, Romania, decembrie 2020, **160 pagini**, **ISBN: 978-606-515-940-2**, **CIP 2020-18903**
http://www.bibnat.ro/dyn-doc/publicatii/CIP/CIP_decembrie%202020_site.pdf

Articole în extenso în reviste cotate ISI, proceedings indexate ISI Thomson-Reuters sau SAE

1. Cican, G., Deaconu, M., Crunțeanu, D.E. „*Impact of Using Chevrons Nozzle on the Acoustics and Performances of a Micro Turbojet Engine*”, **Published in APPLIED SCIENCES-BASEL (ISI Journal)**, **Volume: 11**, **Issue: 11**, **Article Number: 5158**, **JUN 2021**, **Pages: 1-4**, DOI: 10.3390/app11115158, Document Type: **Article**, Accession Number: **WOS:000659633200001**, **eISSN: 2076-3417**, Publisher: MDPIST ALBAN-ANLAGE 66, CH-4052 BASEL, SWITZERLAND. **Impact factor 2020: 2.679**
<https://www.mdpi.com/2076-3417/11/11/5158>
2. Șerban, A., Blănăriu, A.P., Frunzulică, F., Crunțeanu, D.E., Dumitrache, A. „*Numerical Simulation of the Flow around a Mobile Winglet*”, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 23-28, 2019, **Published in INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019**, **Book Series: AIP Conference Proceedings**, **Volume: 2293**, Article Number: 320006, DOI: 10.1063/5.0026581, Document Type: **Proceedings Paper**, Accession Number: **WOS:000636709500155**, ISBN: 978-0-7354-4025-8, ISSN: 0094-243X. Published: 2020, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1N01, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://doi.org/10.1063/5.0026581>

3. Blănăriu, A.P., Șerban, A., Frunzulică, F., Dumitrache, A., Crunțeanu, D.E. „*Aerodynamic analysis of a winglet wing grid using CFD*”, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 23-28, 2019, **Published in INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293**, Article Number: 320005, DOI: 10.1063/5.0026567, Document Type: **Proceedings Paper**, Accession Number: **WOS:000636709500144**, ISBN: 978-0-7354-4025-8, ISSN: 0094-243X. Published: 2020, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://doi.org/10.1063/5.0026567>
4. Dumitrache, A., Frunzulică, F., Crunțeanu, D.E. „*Preface of the "Symposium on Mathematical Modeling, Numerical Algorithms, Optimization Methods and Flow Control for Aerospace Techniques"*”, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 23-28, 2019, **Published in INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293**, Article Number: 320001, DOI: 10.1063/5.0026506, Document Type: **Proceedings Paper**, Accession Number: **WOS:000636709500094**, ISBN: 978-0-7354-4025-8, ISSN: 0094-243X. Published: 2020, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0** <https://aip.scitation.org/doi/abs/10.1063/5.0026506>
5. Frunzulică, F., Dumitrache, A., Crunțeanu, D.E. „*Directional Control of a Jet Using the Coanda Effect*”, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Thessaloniki, GREECE, SEP 25-30, 2017, **Published in INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS (ICNAAM 2017), Book Series: AIP Conference Proceedings, Volume: 1978**, Article Number: 370009, DOI: 10.1063/1.5043977, Document Type: **Proceedings Paper**, Accession Number: **WOS:000445105400298**, ISBN: 978-0-7354-1690-1, ISSN: 0094-243X. Published: 2018, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.5043977>.
6. Frunzulică, F., Macovei, A.C., Dumitrache, A., Crunțeanu, D.E. “*Directional Control of a Jet Using Synthetic Jets*”. International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 19-25, 2016, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2016 (ICNAAM-2016), Book Series: AIP Conference Proceedings, Volume: 1863**, Article Number: 420008, DOI: 10.1063/1.4992596, Document Type: **Proceedings Paper**, Accession Number: **WOS:000410159800416**, ISBN: 978-0-7354-1538-6, ISSN: 0094-243X. Published: 2017, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4992596>.
7. Niculescu, M.L., Cojocaru, M.G., Pricop, M.V., Pepelea, D., Dumitrache, A., Crunțeanu, D.E. “*CFD Analysis of a Darrieus Wind Turbine*”. International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 19-25, 2016, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2016 (ICNAAM-2016), Book Series: AIP Conference Proceedings, Volume: 1863**, Article Number: 420003, DOI: 10.1063/1.4992591, Document Type: **Proceedings Paper**, Accession Number: **WOS:000410159800411**, ISBN: 978-0-7354-1538-6, ISSN: 0094-243X. Published: 2017, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4992591>.
8. Pricop, M.V., Boscoianu, M., Crunțeanu, D.E. “*Wind Tunnel Investigation of a High Lift System with Pneumatic Flow Control*”. International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 23-29, 2015, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2015 (ICNAAM-2015), Book Series: AIP Conference Proceedings, Volume: 1738**, Article Number: 410006, DOI: 10.1063/1.4952207, Document Type: **Proceedings Paper**, Accession Number: **WOS:000380803300429**, ISBN: 978-0-7354-1392-4, ISSN: 0094-243X. Published: 2016, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4952207>.
9. Pricop, M.V., Boscoianu, M., Crunțeanu, D.E. “*Incremental Wind Tunnel Testing of High Lift Systems*”. International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 23-29, 2015, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2015 (ICNAAM-2015), Book Series: AIP Conference Proceedings, Volume: 1738**, Article Number: 410005, DOI: 10.1063/1.4952206, Document Type: **Proceedings Paper**, Accession Number: **WOS:000380803300428**, ISBN: 978-0-7354-1392-4, ISSN: 0094-243X. Published: 2016, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4952206>.
10. Niculescu, M.L., Cojocaru, M.G., Crunțeanu, D.E. “*Aerodynamic Study of a Small Wind Turbine with Emphasis on*

- Laminar and Transition Flows*". International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 23-29, 2015, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2015 (ICNAAM-2015), Book Series: AIP Conference Proceedings, Volume: 1738**, Article Number: 410004, DOI: 10.1063/1.4952205, Document Type: **Proceedings Paper**, Accession Number: **WOS:000380803300427**, ISBN: 978-0-7354-1392-4, ISSN: 0094-243X. Published: 2016, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0** <https://aip.scitation.org/doi/abs/10.1063/1.4952205>.
11. Dumitrache, A., Frunzuliță, F., Crunțeanu, D.E. "*Influence of Unsteady Flow on the Aerodynamics and Aeroacoustics of Vertical Axis Wind Turbines*". International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 22-28, 2014, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014 (ICNAAM-2014), Book Series: AIP Conference Proceedings, Volume: 1648**, Article Number: 500007, DOI: 10.1063/1.4912705, Document Type: **Proceedings Paper**, Accession Number: **WOS:000355339702111**, ISBN: 978-0-7354-1287-3, ISSN: 0094-243X. Published: 2015, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4912705>.
 12. Isac, A.R., Crunțeanu, D.E., Frunzuliță, F. "*Aerodynamic Study of Active Flow Control using Blowing Jets over Some Trailing Edge Configurations*". International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, GREECE, SEP 22-28, 2014, **Published in PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014 (ICNAAM-2014), Book Series: AIP Conference Proceedings, Volume: 1648**, Article Number: 500005, DOI: 10.1063/1.4912703, Document Type: **Proceedings Paper**, Accession Number: **WOS:000355339702109**, ISBN: 978-0-7354-1287-3, ISSN: 0094-243X. Published: 2015, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4912703>.
 13. Constantinescu, S.G., Crunțeanu, D.E., Niculescu, M.L. "*Aerodynamic Study of a Stall Regulated Horizontal-Axis Wind Turbine*". 11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), GREECE, SEP 21-27, 2013, **Published in 11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2013, PTS 1 AND 2 (ICNAAM 2013), Book Series: AIP Conference Proceedings, Volume: 1558, Page: 1245-1248**, DOI: 10.1063/1.4825736, Document Type: **Proceedings Paper**, Accession Number: **WOS:000331472800296**, ISBN: 978-0-7354-1185-2, ISSN: 0094-243X. Published: 2013, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4825736>.
 14. Crunțeanu, D.E., Constantinescu, S.G., Niculescu, M.L. "*Aerodynamic Study of a Blade with Sine Variation of Chord Length along the height for Darrieus Wind Turbine*". 11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), GREECE, SEP 21-27, 2013, **Published in 11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2013, PTS 1 AND 2 (ICNAAM 2013), Book Series: AIP Conference Proceedings, Volume: 1558, Page: 1249-1252**, DOI: 10.1063/1.4825737, Document Type: **Proceedings Paper**, Accession Number: **WOS:000331472800297**, ISBN: 978-0-7354-1185-2, ISSN: 0094-243X. Published: 2013, Publisher: AMER INST PHYSICS2 HUNTINGTON QUADRANGLE, STE 1NO1, MELVILLE, NY 11747-4501 USA. **Impact factor: 0**, <https://aip.scitation.org/doi/abs/10.1063/1.4825737>.
 15. Cican, G., Crunțeanu, D.E. "*Aerodynamic noise control study of nozzles with triangular chevrons*". Int Conf on Smart Syst in all Fields of the Life-Aerospace, Robot, Mech Engn, Mfg Syst, Biomechatron, Neurorehabilitat and Human Motricities, Bucharest, ROMANIA, OCT 24-27, 2013, **Published in ENGINEERING DECISIONS AND SCIENTIFIC RESEARCH IN AEROSPACE, ROBOTICS, BIOMECHANICS, MECHANICAL ENGINEERING AND MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 436, Page: 25-31**, DOI: 10.4028/www.scientific.net/AMM.436.25, Document Type: **Proceedings Paper**, Accession Number: **WOS:000332261000004**, ISBN: 978-3-03785-898-1, ISSN: 1660-9336. Published: 2013, Publisher: TRANS TECH PUBLICATIONS LTD LAUBLRUTISTR 24, CH-8717 STAFA-ZURICH, SWITZERLAND. **Impact factor: 0**, <https://www.scientific.net/AMM.436.25>.
 16. Dediu, G., Crunțeanu, D.E. "*Automatic control system for gas turbines test rig*". Int Conf on Smart Syst in all Fields of the Life-Aerospace, Robot, Mech Engn, Mfg Syst, Biomechatron, Neurorehabilitat and Human Motricities, Bucharest, ROMANIA, OCT 24-27, 2013, **Published in ENGINEERING DECISIONS AND SCIENTIFIC RESEARCH IN AEROSPACE, ROBOTICS, BIOMECHANICS, MECHANICAL ENGINEERING AND MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 436, Page: 398+**, DOI: 10.4028/www.scientific.net/AMM.436.398, Document Type: **Proceedings Paper**, Accession Number: **WOS:000332261000053**, ISBN: 978-3-03785-898-1, ISSN: 1660-9336. Published: 2013, Publisher: TRANS TECH PUBLICATIONS LTD LAUBLRUTISTR 24, CH-8717 STAFA-ZURICH, SWITZERLAND. **Impact factor: 0**, <https://www.scientific.net/AMM.436.398>.

Articole publicate în reviste și volumele unor manifestări științifice indexate în BDI recunoscute de comisia CNATDCU

a. Reviste

1. Crunteanu, D.-E., Popa, V.-A., Sima, M. „*Stress and Vibration Analysis of a PDC (Pulse Detonation Chamber)*”. **International Journal of Turbo and Jet Engines**, DOI: 10.1515/tjj-2019-0018, 2019, Source Type: **Journal**, Document Type: **Article**, ISSN 0334-0082 (Scopus)
<https://www.degruyter.com/document/doi/10.1515/tjj-2019-0018/html>
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
2. Frunzulica, F., Olteanu, C., Dumitrache, A., Crunteanu, D. “*Numerical investigations of a vertical axis wind turbine with variable pitch*”, Published in **Renewable Energy and Power Quality Journal**, Vol. 1, Iss. 15, DOI: 10.24084/repqj15.488, April 2017, pp. 831 - 836, Source Type: **Journal**, Document Type: **Article**, ISSN 2172-038X (Scopus)
<https://www.icrepq.com/icrepq17/488-17-frunzulika.pdf>
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
3. Cican, G., Stanciu, V., Crunteanu, D. “*Analytical and numerical study of the nozzle jet*”, Published in **UPB Scientific Bulletin, Series D: Mechanical Engineering**, Vol. 76, Iss. 1, 2014, pp. 37-44, Source Type: **Journal**, Document Type: **Article**, ISSN 1454-2358 (Scopus)
https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full1e2_323460.pdf
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
4. Berbente, C., Isber, M., Crunteanu, D. “*Comparative study of methods for calculating the aerodynamic lifting surfaces in subsonic regime under chord and incidence changes*”, Published in **UPB Scientific Bulletin, Series D: Mechanical Engineering**, Vol. 73, Iss. 3, 2011, pp. 43-54, Source Type: **Journal**, Document Type: **Article**, ISSN 1454-2358 (Scopus)
https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full78352.pdf
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
5. Berbente, C., Crunteanu, D., Dinu, M.-R. “*Flows accompanied by normal shock considering the variation with temperature of thermodynamic functions*”, Published in **UPB Scientific Bulletin, Series D: Mechanical Engineering**, Vol. 73, Iss. 1, 2011, pp. 151 - 164, Source Type: **Journal**, Document Type: **Article**, ISSN 1454-2358 (Scopus)
https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full45913.pdf
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
6. Berbente, S., Crunteanu, D., Berbente, C. “*On the Supersonic Combustion of Hydrogen around a Conical Obstacle Considering Variable Specific Heats with Application to Scramjets*”, Published in **Applied Mechanics and Materials**, Vol. 811, Nov 2015, pp. 162-166, Source Type: **Journal**, Document Type: **Article**, DOI 10.4028/www.scientific.net/AMM.811.162, ISSN 1662-7482 (CrossRef)
<https://www.scientific.net/AMM.811.162>
https://search.crossref.org/?q=10.4028%2Fwww.scientific.net%2FAMM.811.162&from_ui=yes
7. Crunteanu, D.E., Misirlu, V.I., Dumitrescu, O., Gherman, B. “*Influence of Exhaust Nozzle Geometry on the Jet Potential Core Development*”, Published in **Applied Mechanics and Materials**, Vol. 811, Nov 2015, pp. 145-151, Source Type: **Journal**, Document Type: **Article**, DOI: 10.4028/www.scientific.net/AMM.811.145, ISSN 1662-7482 (CrossRef)
<https://www.scientific.net/AMM.811.145>
https://search.crossref.org/?q=10.4028%2Fwww.scientific.net%2FAMM.811.145&from_ui=yes
8. Cican, G., Stanciu, V., Crunteanu, D.E. “*Acoustic control study of turbofan nozzles with triangular chevrons*”, Published in **INCAS BULLETIN**, Vol. 6, Iss. 1, 5 Mar 2014, pp. 13-20, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2014.6.1.2, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/cican_stanciu_crunteanu_vol_6_iss_1.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2014.6.1.2&from_ui=yes
9. Crunteanu, D.E., Cojan, P.C. “*Acoustic characteristics of the flow over different shapes of nozzle chevrons*”, Published in **INCAS BULLETIN**, Vol. 5, Iss. 3, 6 Sep 2013, pp. 53-59, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2013.5.3.6, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/crunteanu_cojan_v5_iss_3_full.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2013.5.3.6&from_ui=yes
10. Cican, G., Crunteanu, D.E. “*Acoustic investigation on nozzles with different types of six lobed chevrons*”, Published in **INCAS BULLETIN**, Vol. 5, Iss. 4, 6 Dec 2013, pp. 15-23, Source Type: **Journal**, Document Type: **Article**

Article, DOI: 10.13111/2066-8201.2013.5.4.2, ISSN 2066 – 8201 (CrossRef)

https://bulletin.incas.ro/files/cican_g_crunteanu_d_vol_5_iss_4_2013.pdf

https://search.crossref.org/?q=10.13111%2F2066-8201.2013.5.4.2&from_ui=yes

11. Crunteanu, D.E., Rizea, C. “Advanced Trailing Edge Blowing Concepts for Fan Noise Control”, Published in **INCAS BULLETIN**, Vol. 4, Iss. 1, 9 Mar 2012, pp. 15-22, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2012.4.1.2, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/crunteanu_rizea_v4_iss_1_full.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2012.4.1.2&from_ui=yes
12. Crunteanu, D.E., Juhasz, I. “Investigation of novel propulsion systems – the exoskeletal engine concept. Part II”, Published in **INCAS BULLETIN**, Vol. 3, Iss. 2, 22 Jun 2011, pp. 3-9, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2011.3.2.1, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/crunteanu_daniel_v3_is2_full.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2011.3.2.1&from_ui=yes
13. Crunteanu, D.E., Isac, R. “Investigation of low emission combustors using hydrogen lean direct injection”, Published in **INCAS BULLETIN**, Vol. 3, Iss. 3, 16 Sep 2011, pp. 45-52, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2011.3.3.5, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/crunteanu_daniel_v3_is3_full.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2011.3.3.5&from_ui=yes
14. Crunteanu, D.E., Juhasz, I. “Investigation of novel propulsion systems – the exoskeletal engine concept. Part I”, Published in **INCAS BULLETIN**, Vol. 2, Iss. 3, 27 Sep 2010, pp. 13-19, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2010.2.3.2, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/daniel_crunteanu_v2no3_full.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2010.2.3.2&from_ui=yes
15. Ispier, M., Pricop, M.V., Crunteanu, D.E. “Analysis for a wing nacelle configuration”, Published in **INCAS BULLETIN**, Vol. 2, Iss. 2, 25 Jun 2010, pp. 90-94, Source Type: **Journal**, Document Type: **Article**, DOI: 10.13111/2066-8201.2010.2.2.12, ISSN 2066 – 8201 (CrossRef)
https://bulletin.incas.ro/files/marwan_isper_v2no2_full.pdf
https://search.crossref.org/?q=10.13111%2F2066-8201.2010.2.2.12&from_ui=yes

b. Proceedings

1. Crunteanu, D.-E., Racoti, D., Berbente, C. “Analysis of normal combustion waves in ch4-air system”, Published in **Applied Mechanics and Materials**, Vol. 656, DOI: 10.4028/www.scientific.net/AMM.656.101, 2014, Pp. 101-109, Source Type: **Book Series**, International Conference on Aerospace, Robotics, Manufacturing Systems, Mechanical Engineering, Neurorehabilitation and Human Motility, ICMERA 2014, Bucharest, 24 October 2014 - 27 October 2014, 110609, Document Type: **Conference Paper**, ISSN: 1660-9336, ISBN: 978-303835274-7, 978-303835274-7 (Scopus)
<https://www.scientific.net/AMM.656.101>
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
2. Cican, G., Crunteanu, D.-E., El Azzoui, M.Y. “Performances study of liquid rocket engine”, Published in **Applied Mechanics and Materials**, Vol. 555, DOI: 10.4028/www.scientific.net/AMM.555.84, 2014, Pp. 84-90, Source Type: **Book Series**, 9th International Conference on Modeling and Optimization of the Aerospace, Robotics, Mechatronics, Machines-Tools, Mechanical Engineering and Human Motricity Fields, OPTIROB 2014, Mangalia, 26 June 2014 - 29 June 2014, 106358, Document Type: **Conference Paper**, ISSN: 1660-9336, ISBN: 978-303835111-5 (Scopus)
<https://www.scientific.net/AMM.555.84>
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
3. Dumitrache, A., Frunzulica, F., Crunteanu, D. “Preface of Session 82 Mathematical Modeling, Numerical Algorithms, Optimization Methods and Flow Control for Aerospace Techniques”, International Conference on Numerical Analysis and Applied Mathematics 2018, ICNAAM 2018, Rhodes, 13 September 2018 - 18 September 2018, 149843, Published in **AIP Conference Proceedings**, Volume 2116, 24 July 2019, Article number 360001, DOI: 10.1063/1.5114361, Document Type: **Conference Paper**, ISSN: 0094-243X, ISBN: 978-073541854-7 (Scopus)
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
4. Dumitrache, A., Frunzulica, F., Crunteanu, D. “Preface of Session 74 "mathematical Modeling, Numerical Algorithms, Optimization Methods and Flow Control for Aerospace Techniques"”, International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2017, Thessaloniki, 25 September 2017 - 30 September

2017, 137831, **Published in AIP Conference Proceedings, Volume 1978**, 10 July 2018, **Article number 370001**, **DOI: 10.1063/1.5043969**, Document Type: **Conference Paper**, **ISSN: 0094-243X**, **ISBN: 978-073541690-1** (Scopus)

<https://www.scopus.com/authid/detail.uri?authorId=37002415200>

5. Dumitrache, A., Frunzulica, F., **Crunteanu, D.** “*Preface of the "symposium on Mathematical Modeling, Numerical Analysis, Optimization and Control of Green Energy Systems and Clean Environment"*”, International Conference of Numerical Analysis and Applied Mathematics 2016, ICNAAM 2016, Rhodes, 19 September 2016 - 25 September 2016, 129257, **Published in AIP Conference Proceedings, Volume 1863**, 21 July 2017, **Article number 420001**, **DOI: 10.1063/1.4992589**, Document Type: **Conference Paper**, **ISSN: 0094-243X**, **ISBN: 978-073541538-6** (Scopus)
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
6. Dumitrache, A., Frunzulica, F., **Crunteanu, D.** “*Preface of the "symposium on State of the Art of Mathematical Modeling, Numerical Analysis, Optimization and Control of Green Energy Systems and Clean Environment"*”, International Conference of Numerical Analysis and Applied Mathematics 2015, ICNAAM 2015, Rhodes, 23 September 2015 - 29 September 2015, 122034, **Published in AIP Conference Proceedings, Volume 1738**, 8 June 2016, **Article number 410001**, **DOI: 10.1063/1.4952202**, Document Type: **Conference Paper**, **ISSN: 0094-243X**, **ISBN: 978-073541392-4** (Scopus)
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>
7. Petcu, A., Kuncser, R., Deaconu, M., Berbente, C., **Crunteanu, D.** “*Experimental research regarding the combustion of crude camelina oil in a furnace*”, European Biomass Conference and Exhibition 2016, **Published in European Biomass Conference and Exhibition Proceedings, Volume 2016, Issue 24thEUBCE**, 2016, pp. **1303 - 1308**, Document Type: **Conference Paper**, **ISSN: 2282-5819** (Scopus)
<http://www.etaflorence.it/proceedings/?detail=12255>
<https://www.scopus.com/authid/detail.uri?authorId=37002415200>

Articole publicate în reviste naționale și volumele unor manifestări științifice naționale și internaționale neindexate

1. Isvoranu, D., Badescu, V., Berbente, C., Petrisor, P., **Crunteanu D.E.** “*Numerical simulation of NOx emissions in the exhaust-gas reburn process*”. THE 4th INTERNATIONAL COLLOQUIUM “MATHEMATICS IN ENGINEERING and NUMERICAL PHYSICS” (MENP-4), October 6-8, 2006, University “Politehnica” of Bucharest, Editura Printech, Bucharest, 2007, pp. **219-220**, **ISBN: 978-973-718-761-1**
https://www.researchgate.net/publication/338562393_Numerical_simulation_of_NOx_emission_characteristics_during_combustion_in_350_MW_supercritical_cogeneration_tangentially_boiler
https://www.academia.edu/19035962/NUMERICAL_SIMULATION_OF_NOX_EMISSIONS_IN_THE_EXHAUST_GAS_RE_BURN_PROCESS
2. Racoti, D., **Crunteanu D.E.** “*Normal combustion waves in hydrogen-oxygen system*”, The 3-rd EUROPEAN & INTERNATIONAL CONFERENCE on APPLICATION, INTEGRATION, CONTROL, MODELLING, TESTING, and INTELLIGENT CONTROL and INTELLIGENT MODELLING, of the FUEL CELLS, ELECTROLYSERS and HYDROGEN APPLICATIONS, and also regarding RENEWABLES & HYDROGEN, HYDROGEN BASED ENERGY STORAGE and THEIRS ECONOMIC/ENVIRONMENT CONSEQUENCES: eHYDROGENIA, H2_FUEL_CELLS_MILLENIUM_CONVERGENCE, September 21-22, 2009, Bucharest, ROMANIA, pp. **178-188**, **ISBN-10: 973-1704-15-9**, **ISBN-13: 978-973-1704-15-9**
<https://www.fp7.cz/cs/storage/fc84a64432e9d79d4d29e126719066cad03820be?uid=fc84a64432e9d79d4d29e126719066cad03820be>
3. Berbente, C., **Crunteanu D.E.**, Racoti, D. “*On the interpretation of certain thermodynamic expressions and coefficients for ideal gases in terms of average values within temperature intervals*”, Termotehnica, anul XIII, 1/2009, pp. **34-43**, **ISSN-L: 1222-4057**, **ISSN: 2247-1871**
<https://www.agir.ro/buletine/536.pdf>
<https://www.revistatermotehnica.agir.ro/articol.php?id=536>
4. Tehrani, R.D., Givi, H., **Crunteanu, D.E.**, Cican, G. „*Adaptive Predictive Functional Control of X-Y Pedestal for LEO Satellite Tracking Using Laguerre Functions*”, Appl. Sci. 2021, 11(21), 9794, pp. 1-11, **ISSN: 2076-3417**
<https://doi.org/10.3390/app11219794>
5. Mereuță, V.A., **Crunteanu, D.E.**, Dumitrache, A., Frunzulică, F. „*CFD Analysis of Low-Power Vertical Axis Wind Turbines*”, ICNAAM 2020 - 18-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 17-23, 2020.
http://history.icnaam.org/icnaam_2020/ICNAAM%202020/icnaam.org/index.html

6. Mereuță, V.A., **Crunțeanu, D.E.**, Frunzulică, F., Dumitrache, A. „*Improving the efficiency of a wind turbine using blades with winglets*”, ICNAAM 2020 - 18-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 17-23, 2020.
http://history.icnaam.org/icnaam_2020/ICNAAM%202020/icnaam.org/index.html
7. **Crunțeanu, D.E.**, Stroe, G.L., Costea, M.L., Costea, E., Costache, F. „*Study on aircraft generalized conflict resolution and trajectory optimization in complex airspace environment*”, ICNAAM 2021 - 19-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 20-26 september, 2021,
<http://icnaam.org/>
<https://drive.google.com/uc?export=download&id=1hjk7tQae--1iM6O3JW8Ooex1yuOINvtH>
8. **Crunțeanu, D.E.**, Stroe, G.L., Costea, M.L., Costea, E., Costache, F. „*Modeling maneuver dynamics in Air Traffic Conflict Resolution*”, ICNAAM 2021 - 19-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 20-26 september, 2021,
<http://icnaam.org/>, <https://drive.google.com/uc?export=download&id=1hjk7tQae--1iM6O3JW8Ooex1yuOINvtH>
9. Costea, M.L., Stroe, G.L., Costea, E., Nichifor, S.E., Bălașa, R., **Crunțeanu, D.E.** „*Efficient Conflict Method in Air Traffic Management*”, ICNAAM 2021 - 19-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 20-26 september, 2021,
<http://icnaam.org/>, <https://drive.google.com/uc?export=download&id=1hjk7tQae--1iM6O3JW8Ooex1yuOINvtH>
10. Costea, M.L., Stroe, G.L., Costea, E., Nichifor, S.E., Bălașa, R., **Crunțeanu, D.E.** „*Conflict Resolution analysis for en-route Air Traffic Control*”, ICNAAM 2021 - 19-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 20-26 september, 2021,
<http://icnaam.org/>, <https://drive.google.com/uc?export=download&id=1hjk7tQae--1iM6O3JW8Ooex1yuOINvtH>
11. Costea, E., **Crunțeanu, D.E.**, Stroe, G.L., Costea, M.L., Costache, F. „*Automation and optimization of Air Traffic Control Systems*”, ICNAAM 2021 - 19-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 20-26 september, 2021,
<http://icnaam.org/>, <https://drive.google.com/uc?export=download&id=1hjk7tQae--1iM6O3JW8Ooex1yuOINvtH>
12. Costea, E., **Crunțeanu, D.E.**, Stroe, G.L., Costea, M.L., Costache, F. „*Automatization in future Air Traffic Management*”, ICNAAM 2021 - 19-th International Conference of Numerical Analysis and Applied Mathematics. Rhodes (Greece), September 20-26 september, 2021,
<http://icnaam.org/>, <https://drive.google.com/uc?export=download&id=1hjk7tQae--1iM6O3JW8Ooex1yuOINvtH>

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